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SEMICONDUCTOR MEMORY DEVICE AND METHOD FOR EXECUTING
SHIFT REDUNDANCY OPERATION

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ABSTRACT OF THE DISCLOSURE

10 A semiconductor memory device having a shift
redundancy function includes a switch circuit for
changeably connecting a plurality of decode signal lines
decoding an address signal to a plurality of selecting
lines and redundancy selecting lines, and executes a
15 switch operation for shifting at least one of a plurality
of decode lines in the direction of a first redundancy
selecting line positioned at one of the ends among a
plurality of selecting lines or a second switch operation
for shifting at least one of the decode lines in the
20 direction of a second redundancy selecting line
positioned at the other end among the selecting lines or
both of the first and second operations when any fault
occurs in a plurality of selecting lines. The
semiconductor memory device preferably includes two or
25 more first redundancy selecting lines positioned at one
of the ends of a plurality of selecting lines, two or
more second redundancy selecting lines positioned at the
other end, and first and second switch units disposed in
two stages. When any fault selecting line occurs, the
30 first switch unit executes a first switch operation for
shifting at least one of the decode signal lines in the
direction of the first redundancy selecting line or a
second switch operation for shifting the same in the
direction of the second redundancy selecting line, or the
35 second switch unit executes a third switch operation for
shifting at least one decode signal line in the direction
of the first redundancy selecting line or a fourth switch
operation for shifting it in the direction of the second

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redundancy selecting line.

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